

**Claims:**

**We Claim:**

1. A method of creating a contact lens using electrospinning, comprising the steps of:
  - a. dissolving a polymer solute in a suitable solvent
  - b. delivering said solute and solvent solution to a needle tip
  - c. applying an electric field between said needle and a target
  - d. increasing an electric field between said needle and target until a Taylor cone is formed, but not of a magnitude to result in a corona discharge or coronal effect
  - e. providing a means to vary source to target distance
2. A method as in claim 1 where the needle is solid
3. A method as in claim 1 where the needle is hollow
4. A method as in claim 1 where the needle is a Holey fiber
5. A method as in claim 1 where the needle is a Micro Electro Mechanical Structure device